

**In the Claims**

1           **1. (Currently Amended)** A computer-executable method, comprising:

2                 providing a pane element comprising an element behavior that defines the  
3                 pane element, wherein the pane element is readable from a document by a  
4                 browser;

5                 based at least in part on execution of the pane element, invoking logic  
6                 associated with the pane element behavior, wherein the logic specifies at least  
7                 some attributes of a pane and generates an associated hypertext markup language  
8                 (HTML) element to generate the pane; and  
9

10                 generating the pane having the specified attributes.

12           **2. (Currently Amended)** The computer-executable method as recited in  
13           claim 1, wherein the pane element directs a reference to and execution of the  
14           associated logic.

16           **3. (Currently Amended)** The computer-executable method as recited in  
17           claim 1, wherein the pane element comprises a tag.

19           **4. (Currently Amended)** The computer-executable method as recited in  
20           claim 1, wherein the pane element comprises an HTML tag.

22           **5. (Currently Amended)** The computer-executable method as recited in  
23           claim 3, wherein executing the tag causes the invoking of the logic.

1  
2       **6. (Currently Amended)** The computer-executable method as recited in  
3 claim 1, wherein the providing provides a document that includes a pane element  
4 comprising an element behavior.

5  
6       **7. (Currently Amended)** The computer-executable method as recited in  
7 claim 1, wherein the providing provides a document that includes markup  
8 language.

9  
10      **8. (Currently Amended)** The computer-executable method as recited in  
11 claim 1, wherein the logic includes pane-generating instructions.

12  
13      **9. (Currently Amended)** The computer-executable method as recited in  
14 claim 1, wherein the generating generates a viewable pane as an area of a web  
15 page.

16  
17      **10. (Currently Amended)** A computer-executable method, comprising:  
18           providing a pane element comprising an element behavior in a web page  
19           document for producing a web page; and

20           executing the pane element wherein the executing invokes logic associated  
21 with the pane element, wherein the logic specifies at least some attributes of a  
22 pane, and

23           wherein the executing generates a pane having the specified attributes.

1       **11. (Currently Amended)** The computer-executable method as recited in  
2 claim 10, wherein the web page document comprises HTML.

3

4       **12. (Canceled)**

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6       **13. (Currently Amended)** The computer-executable method as recited in  
7 claim 10, wherein the pane element includes pane attributes to determine one of a  
8 size, a dimension, a shape, a color, a format, a priority, and a style of the pane.

9

10      **14. (Currently Amended)** The computer-executable method as recited in  
11 claim 10, wherein the pane element includes associated content capable of being  
12 displayed in the pane.

13

14      **15. (Currently Amended)** The computer-executable method as recited in  
15 claim 14, wherein the display content is one of a text, an image, a link, and a user  
16 interface.

17

18      **16. (Currently Amended)** The computer-executable method as recited in  
19 claim 15, wherein the user interface has interactive controls, wherein a user can  
20 provides input in response to the content.

21

22      **17. (Currently Amended)** The computer-executable method as recited in  
23 claim 14, wherein the pane element includes content attributes to determine one of

1 a size, a dimension, a shape, a color, a format, a priority, a style, and a font of the  
2 content to be displayed in the pane.

3

4 **18. (Currently Amended)** The computer-executable method as recited in  
5 claim 17, wherein the pane-generating instructions determine the pane attributes  
6 based on the amount of content.

7

8 **19. (Currently Amended)** The computer-executable method as recited in  
9 claim 17, wherein the associated logic determines the pane attributes based on the  
10 content attributes.

11

12 **20. (Currently Amended)** The computer-executable method as recited in  
13 claim 10, further comprising multiple pane elements in the web page document to  
14 generate multiple panes in the web page.

15

16 **21. (Currently Amended)** The computer-executable method as recited in  
17 claim 20, wherein the associated logic adjusts a first pane depending on a  
18 characteristic of a second pane.

19

20 **22. (Currently Amended)** The computer-executable method as recited in  
21 claim 21, wherein a pane adjusts itself depending on a characteristic or behavior of  
22 one or more other panes.

1       **23. (Currently Amended)** The computer-executable method as recited in  
2 claim 21, wherein a first pane adjusts a second pane depending on a characteristic  
3 or behavior of the first pane.

4

5       **24. (Currently Amended)** The computer-executable method as recited in  
6 claim 21, wherein an attribute of the first pane is adjusted based on changing  
7 content in the second pane.

8

9       **25. (Currently Amended)** The computer-executable method as recited in  
10 claim 21, wherein an attribute of content in the first pane is changed based on a  
11 change in an attribute of content in the second pane.

12

13       **26. (Currently Amended)** The computer-executable method as recited in  
14 claim 25, wherein content in the second pane is changed as the content is edited in  
15 the first pane.

16

17       **27. (Currently Amended)** The computer-executable method as recited in  
18 claim 20, wherein the associated logic assigns a placement to each pane in the web  
19 page.

20

21       **28. (Currently Amended)** The computer-executable method as recited in  
22 claim 27, wherein the placement includes a pane size and a position in the web  
23 page.

1           **29. (Currently Amended)** The computer-executable method as recited in  
2 claim 27, wherein the placement of one pane depends at least in part on the  
3 placement of remaining panes of the multiple panes.

4

5           **30. (Currently Amended)** The computer-executable method as recited in  
6 claim 27, wherein the placement includes a z-order of display priority in response  
7 to an overlapping of two or more of the multiple panes, wherein a pane having the  
8 highest z-order of display priority is focused by having the remaining panes  
9 subordinated to the focused pane by appearing to be displayed behind the focused  
10 pane.

11

12           **31. (Currently Amended)** The computer-executable method as recited in  
13 claim 30, wherein if one or more of the multiple panes include an interactive user  
14 interface, then changing the z-order of display priority to give a highest priority to  
15 a pane with an interactive user interface in current use.

16

17           **32. (Currently Amended)** A web page document, comprising:  
18               A computer-readable medium containing computer executable  
19               instructions, including instructions to create:

20               content to be displayed in a web page resulting from rendering the a web  
21               page document;

22               markup tags to indicate instructions for displaying the content in the web  
23               page; and

1           a pane element to provide instructions for using a division of a computer  
2 display screen, wherein execution of the pane tag causes pane-generating  
3 instructions to be substituted for the pane tag; and  
4           pane-generating instructions containing at least one element behavior  
5           bound to the pane element.

6

7       **33. (Currently Amended)** The ~~web-page-document~~ computer-readable  
8 medium as recited in claim 32, wherein the web page document is an HTML  
9 document.

10

11     **34. (Canceled)**

12

13       **35. (Currently Amended)** The ~~web-page-document~~ computer-readable  
14 medium as recited in claim 32, wherein the pane element includes pane attributes  
15 to determine one of a size, a dimension, a shape, a color, a format, a priority, and a  
16 style of the pane.

17

18       **36. (Currently Amended)** The ~~web-page-document~~ computer-readable  
19 medium as recited in claim 32, wherein the content is one of a text, an image, a  
20 link, and a user interface.

21

22       **37. (Currently Amended)** The ~~web-page-document~~ computer-readable  
23 medium as recited in claim 36, wherein the pane-generating instructions determine  
24 the pane attributes based on attributes of the content.

1  
2       **38. (Currently Amended)** The ~~web page document~~ computer-readable  
3       medium as recited in claim 32, further comprising multiple pane elements in the  
4       web page document to generate multiple panes in the web page.

5  
6       **39. (Currently Amended)** The ~~web page document~~ computer-readable  
7       medium as recited in claim 38, wherein a pane-generating instruction adjusts a  
8       first pane depending on a characteristic of a second pane.

9  
10      **40. (Currently Amended)** The ~~web page document~~ computer-readable  
11       medium as recited in claim 39, wherein an attribute of the first pane is adjusted  
12       based on changing content in the second pane.

13  
14      **41. (Currently Amended)** The ~~web page document~~ computer-readable  
15       medium as recited in claim 39, wherein an attribute of content in the first pane is  
16       changed based on a change in an attribute of content in the second pane.

17  
18      **42. (Currently Amended)** The ~~web page document~~ computer-readable  
19       medium as recited in claim 39, wherein content in the second pane is changed as  
20       the content is edited in the first pane.

21  
22      **43. (Currently Amended)** The ~~web page document~~ computer-readable  
23       medium as recited in claim 32, wherein the pane-generating instructions assign a  
24       placement on a display screen to each pane in the web page.

1  
2       **44. (Currently Amended)** The web page document computer-readable  
3       medium as recited in claim 43, wherein the placement includes a pane size and a  
4       position in the web page.

5  
6       **45. (Currently Amended)** The web-page document computer-readable  
7       medium as recited in claim 44, wherein the placement of one pane depends at least  
8       in part on the placement of remaining panes of the multiple panes.

9  
10      **46. (Currently Amended)** The web page document computer-readable  
11       medium as recited in claim 45, wherein the placement includes a z-order of  
12       display priority in response to an overlapping of two or more of the multiple  
13       panes, wherein a pane having the highest z-order of display priority is focused by  
14       having the remaining panes subordinated to the focused pane by appearing to be  
15       displayed behind the focused pane.

16  
17      **47. (Currently Amended)** A system for creating an element behavior that  
18       defines a pane element for a markup language document, comprising:

19       a starting tag including a reference to underlying pane-generating logic  
20       bound to the pane element for generating a web page pane, wherein a web browser  
21       can finds the pane-generating logic using the reference; and

22       a starting tag including a reference for finding the underlying pane-  
23       generating logic.

1           ~~optionally, a list of attribute variables, wherein an attribute value can be~~  
2           ~~specified and implemented by the underlying pane generating logic.~~

3  
4       **48. (Currently Amended)** The pane element system as recited in claim  
5           47, further comprising an ending tag, wherein content for display in the web page  
6           pane is includable between the starting tag and the ending tag.

7  
8       **49. (Currently Amended)** A computer-executable pane engine,  
9           comprising:

10           a pane attribute assignor;  
11           a pane sizer; and  
12           a pane positioner, and  
13           wherein a pane element comprising an element behavior  
14           and included in a web page document references the pane engine to  
15           generate a web page pane.

16  
17       **50. (Original)** The pane engine as recited in claim 49, further  
18           comprising default pane attributes for generating the web page pane.

19  
20       **51. (Original)** The pane engine as recited in claim 50, further  
21           comprising an attribute reader to obtain one of pane attributes and content  
22           attributes selected by a user.

1        52. **(Original)** The pane engine as recited in claim 49, further  
2 comprising a multipane coordinator to generate the web page pane based at least  
3 in part on attributes of one or more other web page panes.

4

5        53. **(Original)** The pane engine as recited in claim 52, wherein the  
6 multipane coordinator includes a Z-order prioritizer to determine an order of web  
7 page panes in a cascaded stack of web page panes appearing on a display screen.

8

9        54. **(Original)** The pane engine as recited in claim 52, further  
10 comprising a focus assignor to determine which pane of multiple panes is active or  
11 on top of a cascaded stack of web page panes appearing on a display screen.

12

13        55. **(Original)** The pane engine as recited in claim 52, further  
14 comprising an attribute interrelation module including a pane attribute analyzer  
15 and a content attribute analyzer, wherein a pane attribute of a first pane is  
16 determined based on a pane attribute or a content attribute of a second pane.

17

18        56. **(Original)** The pane engine as recited in claim 52, further  
19 comprising a dynamic content linker to enable changes in a content of a first pane  
20 to affect display of a content in a second pane.

21

22        57. **(Original)** The pane engine as recited in claim 52, further  
23 comprising a common resource linker, wherein changes in content in the common  
24 resource are simultaneously displayed in two or more panes.

1  
2       58. **(Currently Amended)** One or more computer readable media  
3 containing instructions that are executable by a computer to perform actions,  
4 comprising:

5             executing language elements in a markup language document to generate a  
6 web page; and

7             executing a pane element comprising an element behavior in the markup  
8 language document to generate a web page pane, wherein a web page pane is a  
9 division of a computer display screen, and wherein execution of the pane element  
10 causes pane-generating instructions written in the markup language to be  
11 substituted for the pane element.

12  
13       59. **(Original)** The one or more computer readable media as recited in  
14 claim 58, wherein the markup language document is an HTML document.

15  
16       60. **(Canceled)**

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18       61. **(Currently Amended)** A computer-executable method, comprising:  
19             providing a markup language tag comprising an element behavior for  
20 creating a pane in a web page;  
21             based at least in part on execution of the tag, invoking logic associated with  
22 the tag wherein the logic specifies at least some attributes of a pane; and  
23             generating the pane having the specified attributes.

1           **62. (Currently Amended)** The computer-executable method as recited in  
2 claim 61, wherein the tag comprising an element behavior directs a reference to  
3 and execution of the associated logic.

4

5           **63. (Currently Amended)** The computer-executable method as recited in  
6 claim 61, wherein the markup language is a hypertext markup language.

7

8           **64. (Currently Amended)** The computer-executable method as recited in  
9 claim 61, wherein the providing provides a document that includes the tag.

10

11          **65. (Currently Amended)** The computer-executable method as recited in  
12 claim 61, wherein the providing provides a document that includes markup  
13 language.

14

15          **66. (Currently Amended)** The computer-executable method as recited in  
16 claim 61, wherein the logic includes pane-generating instructions.

17

18          **67. (Currently Amended)** The computer-executable method as recited in  
19 claim 61, wherein the generating generates a viewable pane as an area of a web  
20 page.

21          **68. (New)** The system as recited in claim 47, wherein a list of attribute  
22 variables exist where an attribute value can be specified and implemented by the  
23 underlying pane-generating logic.